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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/653,680	09/01/2000	Peter Bohacek	PA1156	5328

7590 10/30/2003

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EXAMINER	
NGUYEN, HANH N	
ART UNIT	PAPER NUMBER
2662	6

DATE MAILED: 10/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

OLR

ALR

Office Action Summary	Application No. 09/653,680	Applicant(s) BOHACEK ET AL.	
	Examiner Hanh Nguyen	Art Unit 2662	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Application filed on 09/01/2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claim 16 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 16 is duplicated of claim 8.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 are rejected under 35 USC 103(a) as being unpatentable over **Penners et al.** (US Pat. No. 5,793,762) in view of **Maroulis et al.** (US Pat. No. 6,584,094 B2).

In claims 1, 2, 3, 6, 7, 8, 9, 11, 14, 16, 17, 18, 19, 22 and 25, **Penners et al.** discloses a caller 30 initiates a call signaling to a central office 12 (a caller initiating a call signaling with a central office). The central office communicates with a service control point (SCP) 34 via a SS7 signaling 36 (requesting routing information from a command center). See col.5, line 60 to col.6, line5. The SCP 34 (command center) queries the HLR for routing information and provide to the central office 12 (the command center query HLR for routing information). See col.6, lines 50-52. A Visistor Location Register/Directory Number Manager (VLR/DN manager) 42 assigns temporary routing number for the caller and sends it to the HLR 38 (VMSC assigns temporary

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routing number for the signal and passing it back to the HLR). See col.8, lines 42-47. The HLR 38 forwards the temporary routing number back to central office 12 via the SCP 34 (HLR returning the temporary routing number back to the command center). See col.8, lines 43-47. The VLR/DN 42 informs the radio port controller (RPC) about the incoming call (informing a second gateway of an incoming call), and the RPC (second gateway) now waits for the incoming call (second Gateway informs of its readiness to receive the incoming connection). See col.8, lines 47-52. Once the central office 12 gets the destination temporary routing number, a voice path 82, a call connect messages 90, 92 are established (processing the connection to complete the communication to a wireless subscriber). See col.8, lines 55-65. **Penners et al.** does not disclose the central office/PBX routing the signal to a first gateway; and returning instructions and VOIP IP address to the gateway 1. **Maroulis et al.** discloses the first PBX 103 coupled to a first internet gateway 109 (see Fig.1) (the central office/PBX routing the signal to a first gateway) to determine whether a second PBX 105 has access to a second Internet gateway 111. If so, the second PBX 105 sends the IP address of the second Internet gateway to the first PBX 103. The first PBX 103, then, sends IP address of the first IP Internet gateway 109 to the second PBX over network signaling SS7 channel (Returning VOIP IP address to the first gateway). See Abstract. Therefore, it would have been obvious to add the first and the second gateways of **Maroulis et al.** into **Penners et al.** to route signal from the central office/PBX to a first gateway; and returning instructions and VOIP IP address to the gateway 1.

In claims 4, 12, 20 and 23, **Penners et al.** discloses the SCP 34 (command center) is responsible to provide routing information for the central office 12 by looking at data base 40 and HLR 38 to determine whether the caller 's number is valid (command center determines

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whether the caller's communication should be routed through the wireless network). See col.7, lines 15-20.

In claims 5, 13, 21 and 24, **Penners et al.** discloses a wireless network comprising a plurality of radio port controllers RPC which performs call handover (determining characteristics) to mobile phones 16 among radio ports 18 (determining characteristics of the wireless network). See col.6, lines 10-20.

In claims 10 and 15, **Penners et al.** discloses a voice call established to the VLR/DN manager 42 (external connection is established to a VMSC). See col.8, lines 55-60.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Curry et al. (US Pat. No. 6,542,497 B1) discloses Public Wireless/Coreless Internet gateway.

Hogan (US Pat. No. 5,581,596) discloses method for Controlling Call Processing in a Microcellular Personal Communications Services System.

Gillespie (US Pat. No. 6,014,377) discloses System and Method for an Integrated Wireline/Wireless Service Using PBX Lines.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh Nguyen whose telephone number is 703 306-5445. The examiner can normally be reached on Monday-Friday 8:00 AM-5:30PM.

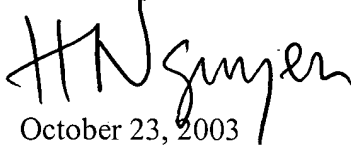
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 703 306-4744. The fax phone numbers for the organization where this application or proceeding is assigned are 703 872-9314 for regular communications and 703 308-9051 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 305-4700.

Fax number: (703) 872-9314

Hanh Nguyen

A handwritten signature in black ink, appearing to read 'HN Nguyen', written over the printed name and date.

October 23, 2003